



#1745  
#16/BENB  
1.23.34

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Weifang Luo et al.  
Serial No. : 09/657,042  
Filed : September 7, 2000  
Title : BATTERY CATHODE

Art Unit : 1745  
Examiner : Stephen J. Kalafut

BOX AF  
Commissioner for Patents  
Washington, D.C. 20231

~~OK to Enter~~  
~~Do Not Enter~~

RESPONSE

In response to the action mailed October 9, 2002, please amend the application as follows:

In the claims:

Please amend claims 1, 31, and 35 to recite as follows:

1. (Twice Amended) A primary alkaline battery, comprising:  
a cathode comprising a cathode active material, a binder, and carbon fibers;  
an anode;  
a separator; and  
an alkaline electrolyte,  
wherein the cathode comprises less than about 5% of carbon fibers by weight.

31. (Twice Amended) A primary alkaline battery, comprising:  
a cathode comprising manganese dioxide, a binder, and a heat-treated carbon fiber having  
a diameter less than about 250 nanometers;  
an anode;  
a separator; and

RECEIVED  
JAN 21 2003  
TECHNOLOGY CENTER 1700

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

01/17/2003 ADSMAN1 00000023 09658042

01 FC:1201 168.00 OP  
02 FC:1202 90.00 OP

January 9, 2003  
Date of Deposit

*Kelly K. Hanlon*  
Signature

Kelly K. Hanlon  
Typed or Printed Name of Person Signing Certificate